Utah Transportation Interim Committee EV Update

June 16, 2021 James Campbell













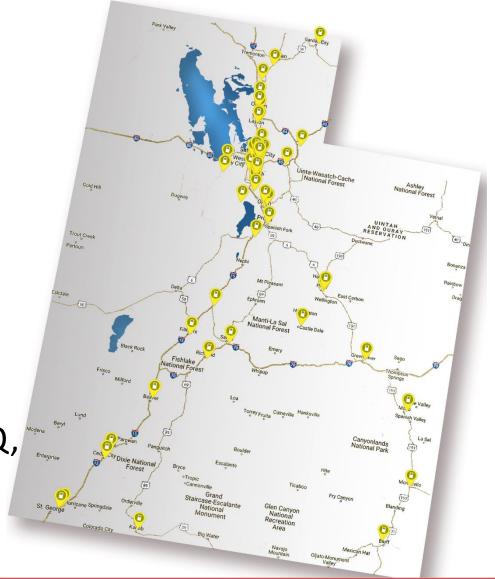


What Have We Done to Date

 In 2016 passed SB 115-STEP RMP EV Incentives

 Coupled with DOE Funding and VW Settlement

 Partnered with DEQ, UDOT, Maverik, Electrify America



- Installed over 70
 DC Fast Chargers
- Installed over
 2,300 Level 2
 Chargers
 throughout the
 state

Implementing HB 396

- Make additional investments in EV Infrastructure
 - Identify EV charging gaps throughout the state
 - Identify needs for increased charging capacity
 - > Primarily in urban areas
- Continue coordinating with UDOT and other partners and key stakeholders
- Submit Electric Vehicle Infrastructure Program for Public Service Commission approval in July 2021
- Begin construction in early 2022



Utah Leading the Way

Leading on 2 U. S. Department of Energy Research Projects



National Science Foundation
Awarded Utah State University \$50 million.

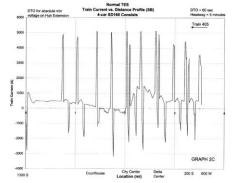
To create ASPIRE, a leading research center in Electrified Transportation







Intermodal Hub Pilot Project





TRAX line, predictable MW-level pulsed load



Intermodal Hub facility variable demand

Intermodal Hub Site-level Energy Management System



Project does not impact substations or feeder circuits

- Develop control system tools
 - Increase utilization
- Evaluate potential for utility demand response program or other solutions
 - Conduct cost benefit evaluation

2x actively controlled 450 kW overhead bus chargers



3x actively controlled 100 kW bus depot chargers

Actively controlled public DC fast and L2 EV chargers



- Expand Hub to include trucking and ride hailing
- Take advantage of infrastructure
- Increase utilization

5 POWERING YOUR GREATNESS

Freight Logistics Electrification Demonstration Project







